

The concepts/secrets of database:

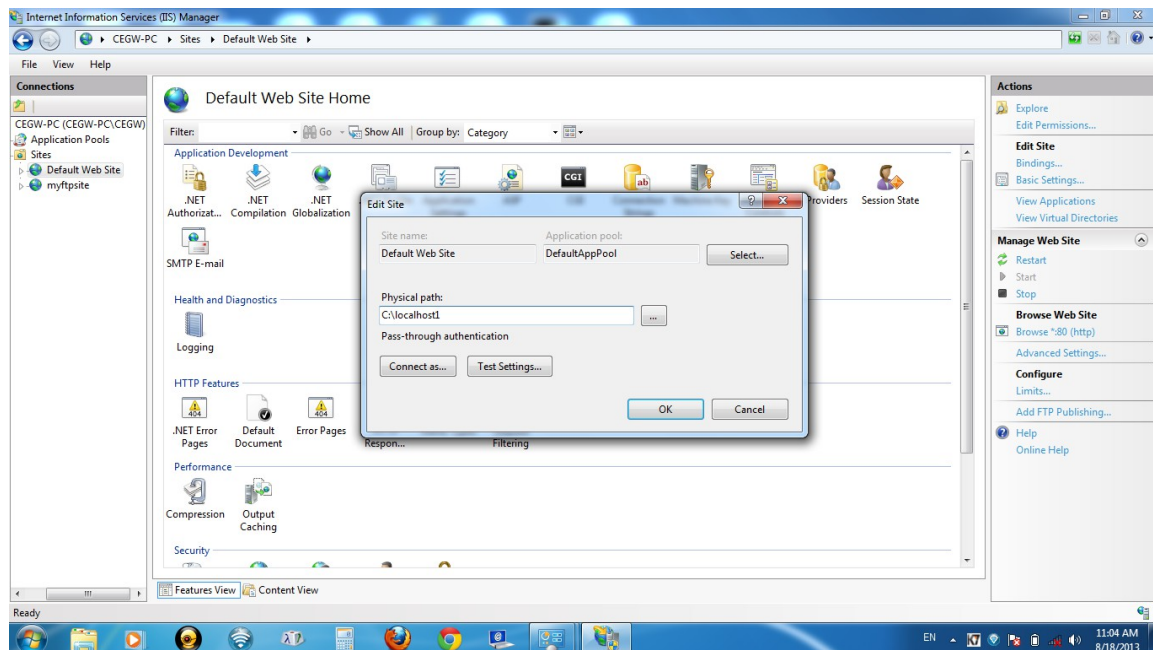
We are all using computer database in so many fields. In day-to-day life we use databases in internet banking, ticket reservation, bill payments, social network like facebook etc. The computer professional also mostly use SQL (Structured Query Language) for different databases like Oracle-SQL , MYSQL, MSSQL, POSTGRES-SQL. Almost all SQL have similar set of commands to Create, Insert, Update and Delete Records in tables of Databases. In initial periods of computer databases they use ^ delimited or any other special character delimited databases such as CSV(Comma Separated Values) format database tables. Even now CSV formatted databases are more compatible with Excel and other database tables. If we know the source program to Create, Insert, Update and Delete tables in SDF(Spike-^ Delimited Format) or CSV format, we can do a lot in the database field. The present stage of databases is developed by encrypting the SDF/CSV tables. In latest database by viewing the file contents, it is impossible to see the values for security reasons. The aim of this publication is to create awareness of simple database with SDF(Spike-^ Delimited Format) tables and how to do Create, Adddata, Query those tables. The source programs in VBSCRIPT in ASP/ASPX form and one Excel Sheet with macro for Exporting Excel sheet to SDF and Importing SDF into Excel Sheet is given localhost1.rar file. This can be imported from the following link.

<http://www.nirt.in/software/localhost1.rar>

Unzip the localhost1.rar file and save them in the folder C:\localhost1
(This is for windows Internet Information Server Version)

Step 1:

From IIS Manager set the physical path of home directory as “C:\localhost1” as given below:



Then click OK.

Now your localhost is running from c:\localhost1 folder.

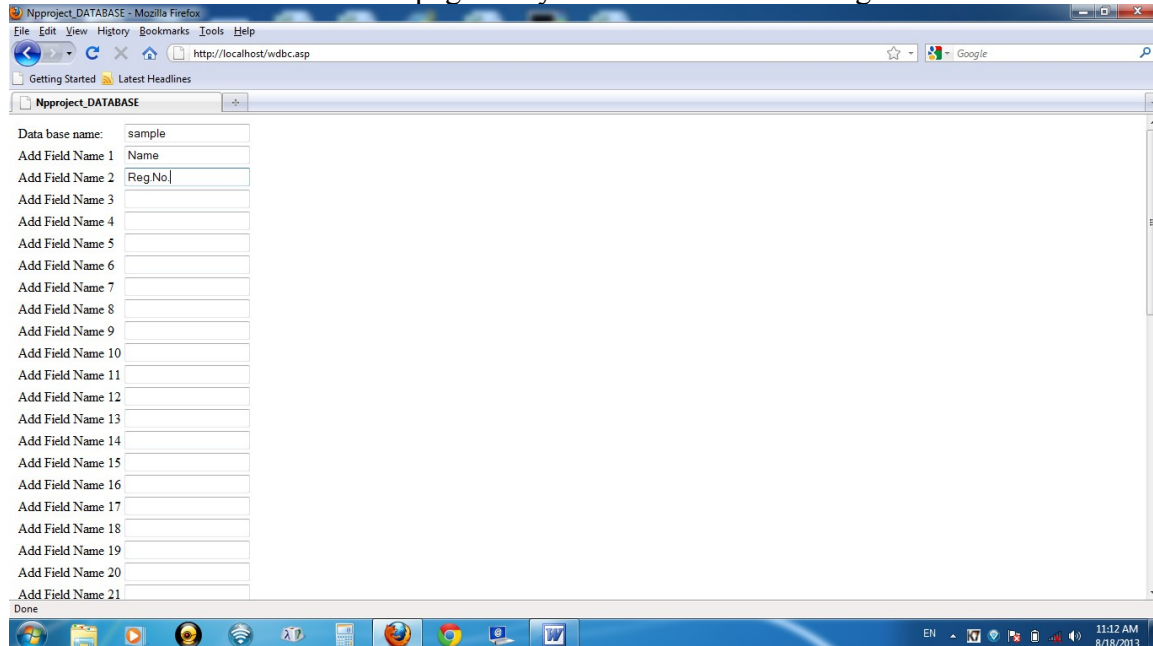
Step 2:

In the browser give the address as localhost and you will the following screen



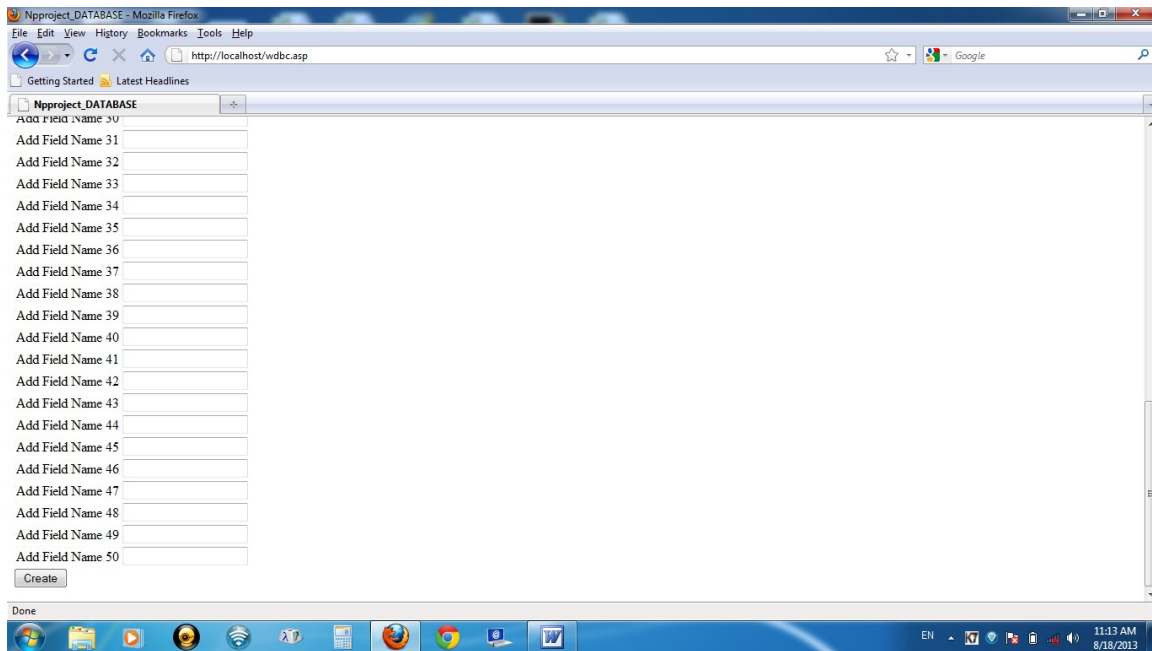
Step 3:

Click the first link in the above page and you will see the following screen.



Step 4:

In the above screen Data base name as “sample” and Add field name 1 as “Name” and Add field name 2 as “RegNo” as above. (you can give other names also and it is only for creation file with field names seperated by ^ that is in SDF format. At the end of the page you will see “Create” button as below.



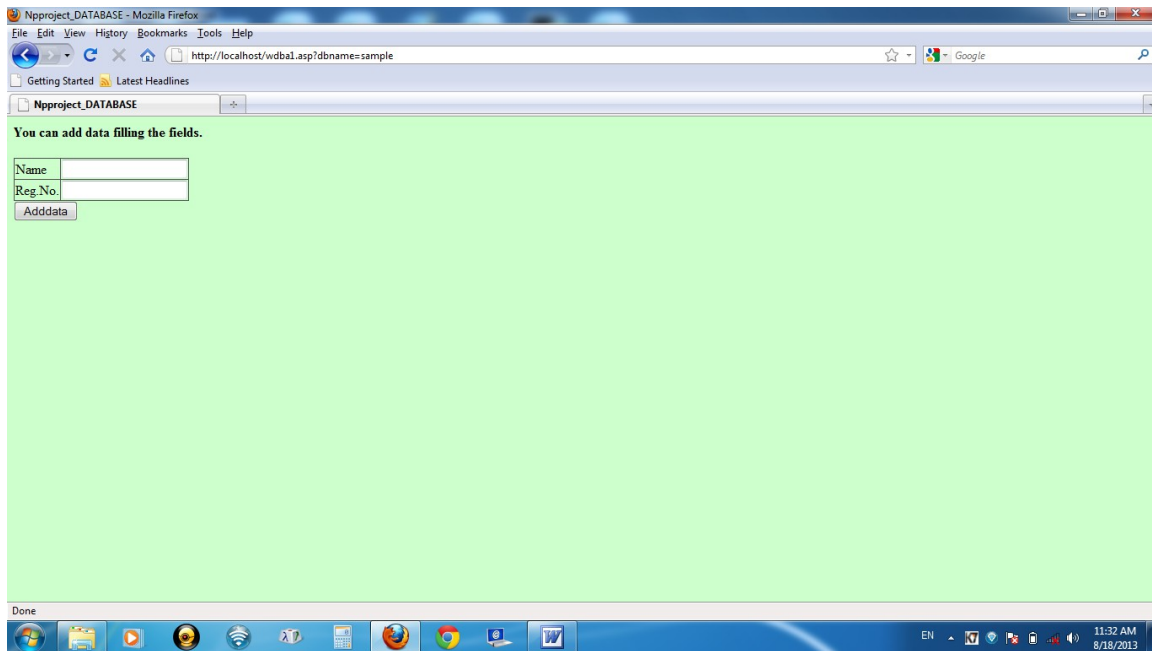
Step 5:

Click on “Create” button you will see the following screen with The Data base sample Created and a link as [Click to add data](#)



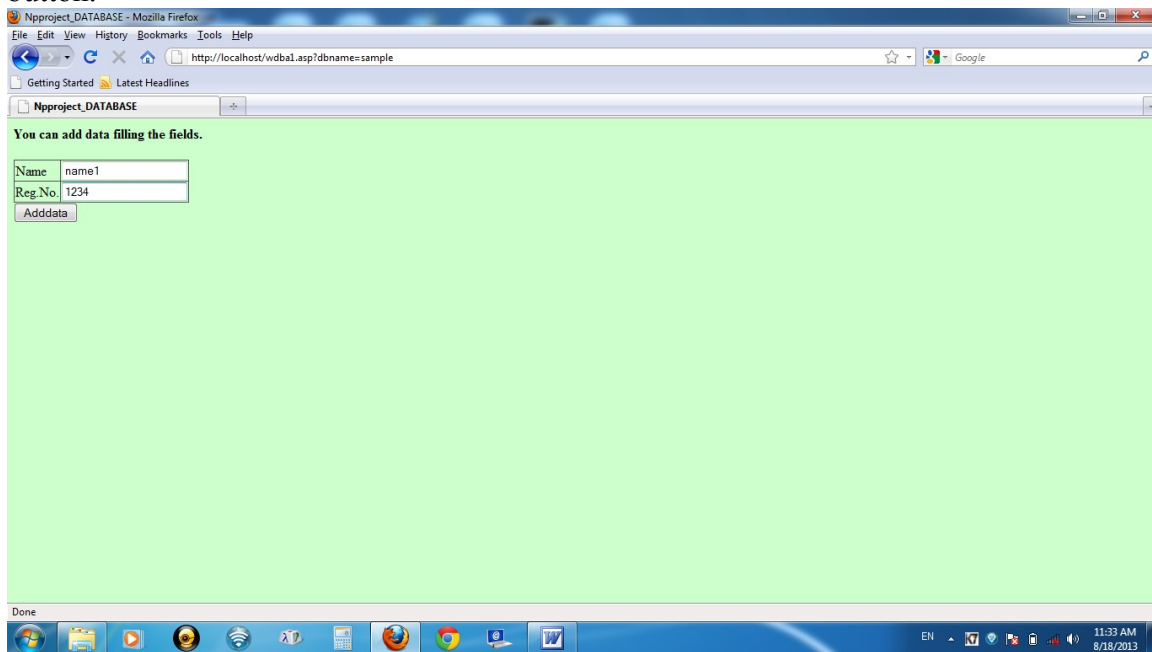
Step 6:

You can click on the link to add data.you will see the following screen.



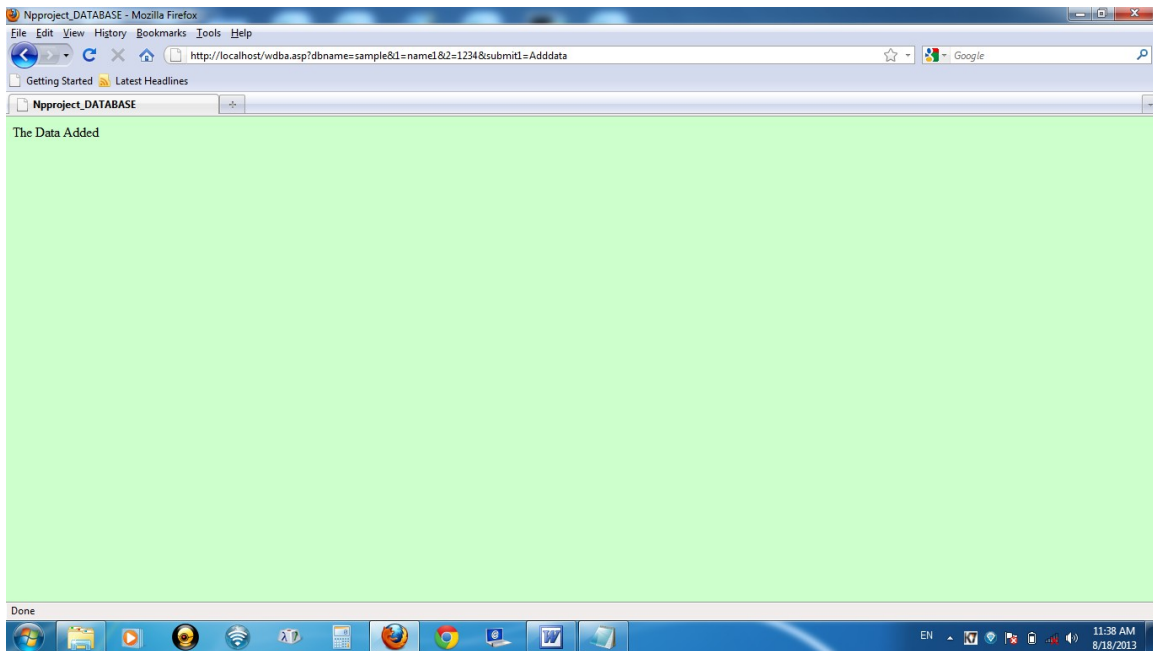
Step 7:

Add some name and RegNO as shown below or as you wish. Then click on Adddata button.



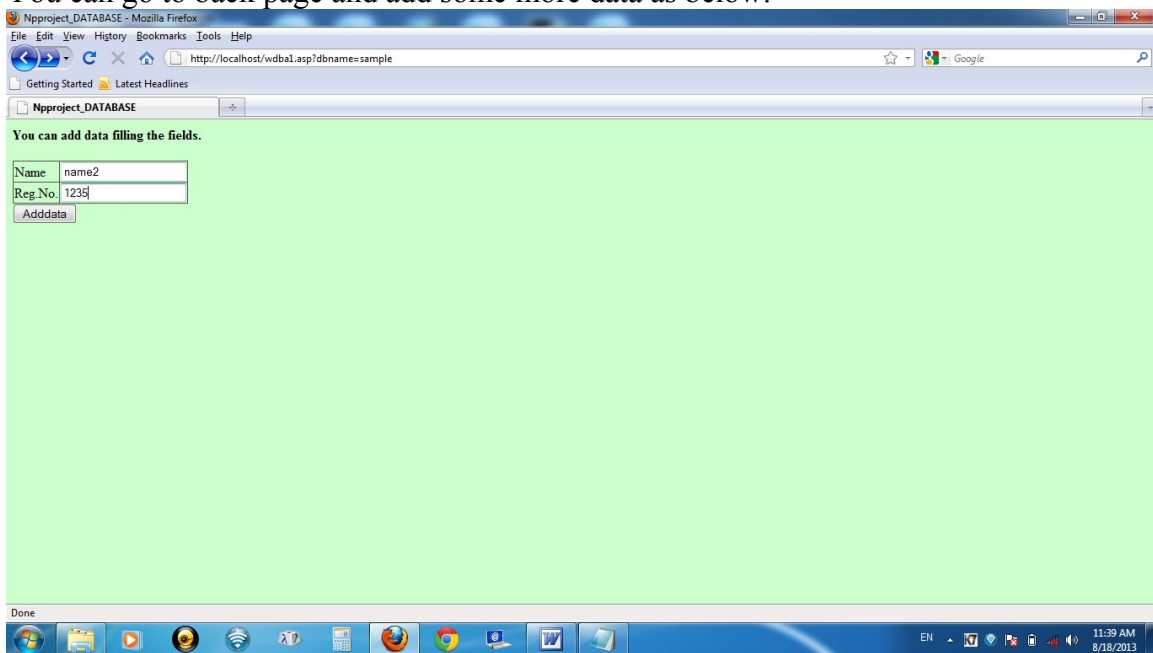
Step 8:

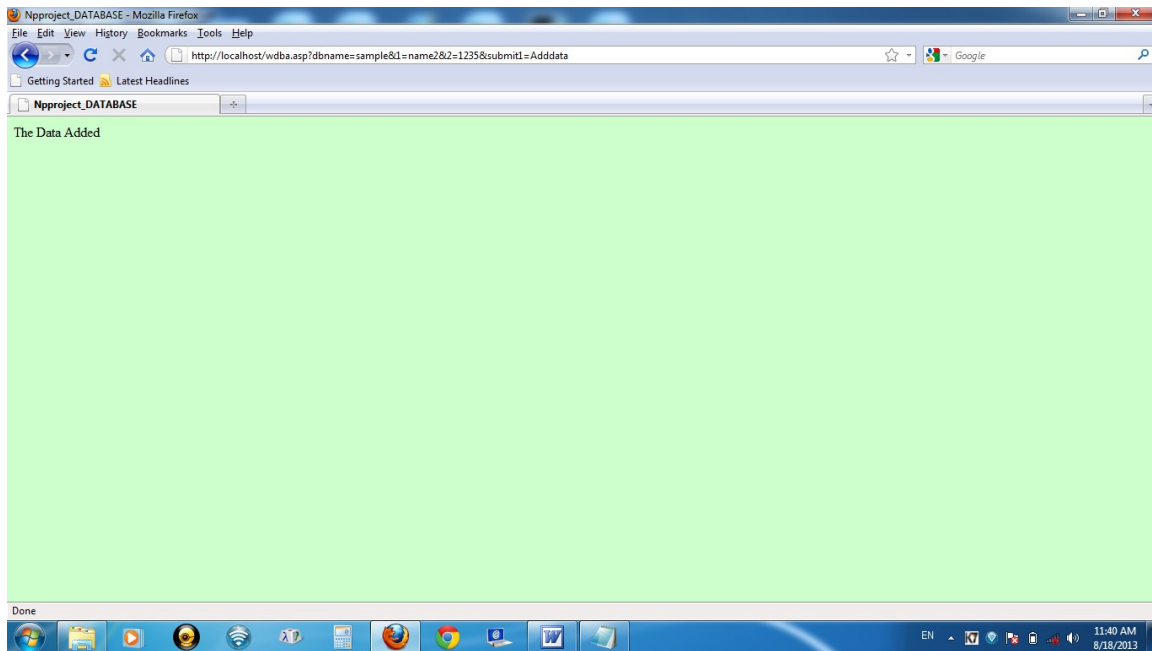
You will see the following screen with “The Data Added” which means the data given in the above table is added in the database table “sample” in SDF format.



Step 9:

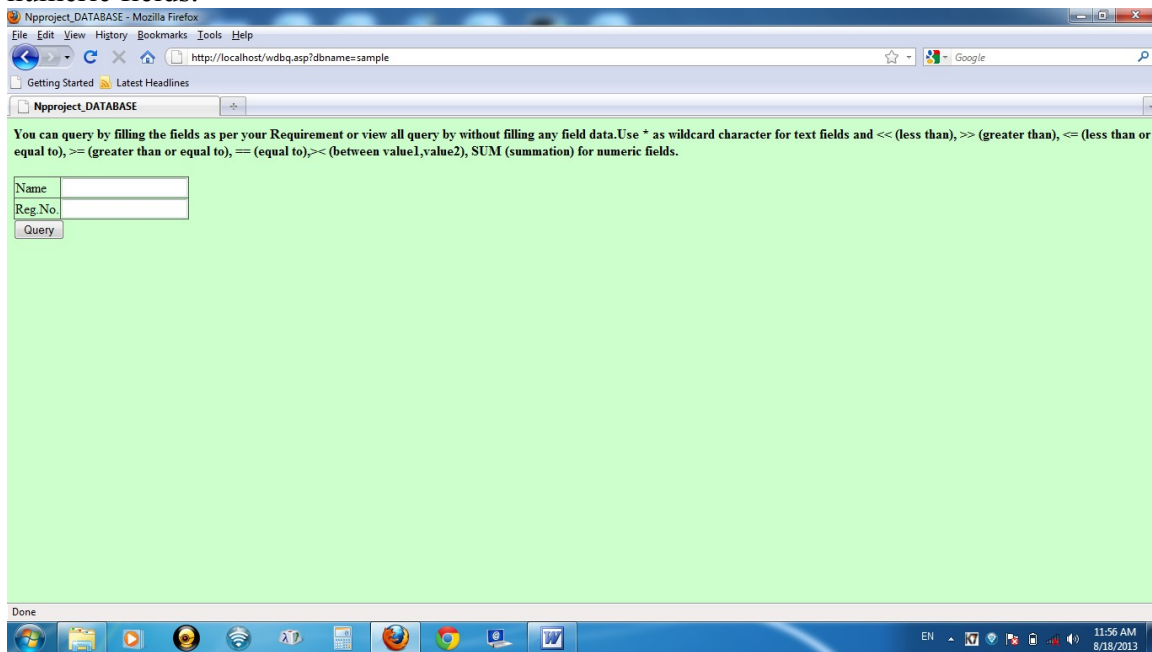
You can go to back page and add some more data as below.





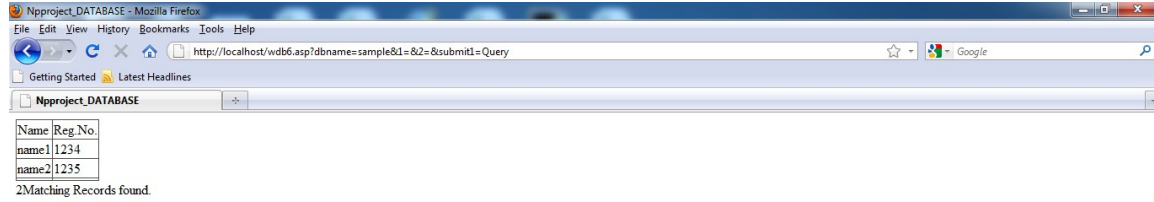
Step 10:

You can query the tables with the following link in the home page or you can directly type the following in browser <http://localhost/wdbq.asp?dbname=sample> and you will see the following screen. At the top of the screen you will see the message “You can Query by filling the fields as per your Requirement or view all query by without filling any field data. Use * as wildcard character for text fields and <<(less than), >>(greater than), <=(less than or equal to), ==(equal to),><(between value1,value2),SUM(summation) for numeric fields.”



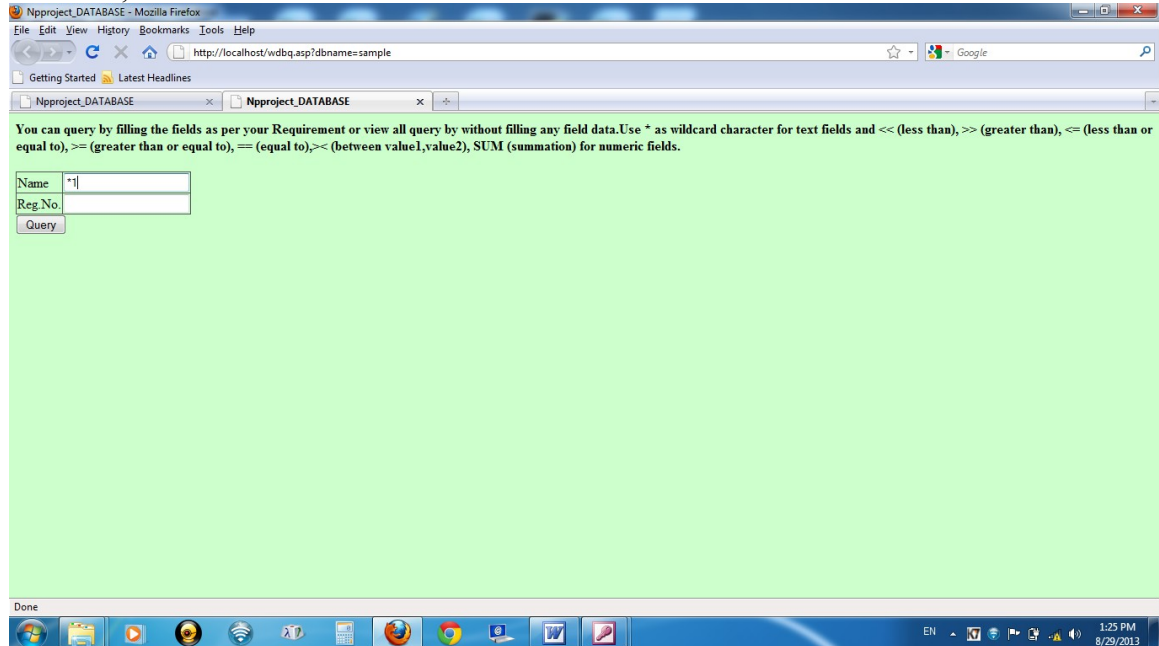
Step 11:

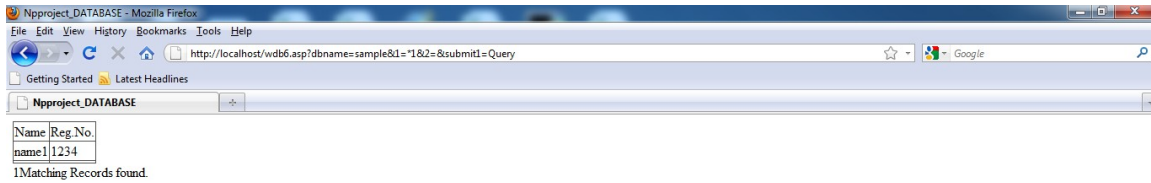
By clicking Query button without filling any field you will see all the data in the table as follows.



Step 12:

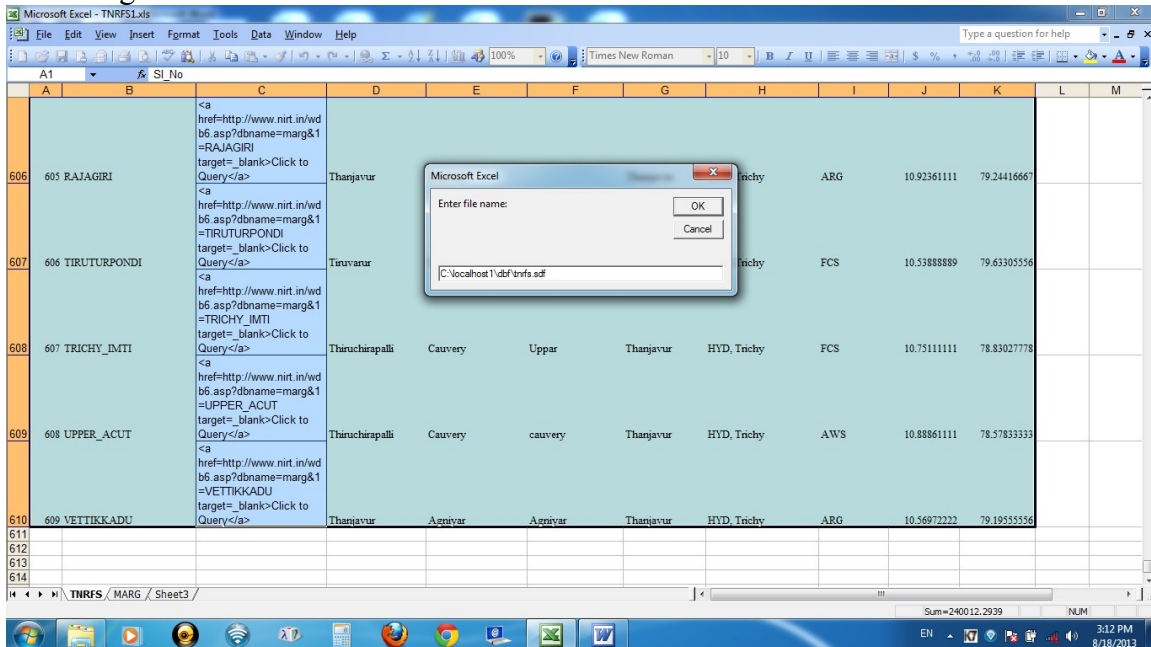
Clicking back page you can Query with Name field as "*1" to view the data containing Name field value ending with "1". In SQL `SELECT * FROM sample WHERE Name = "name1"`;





Step 13:

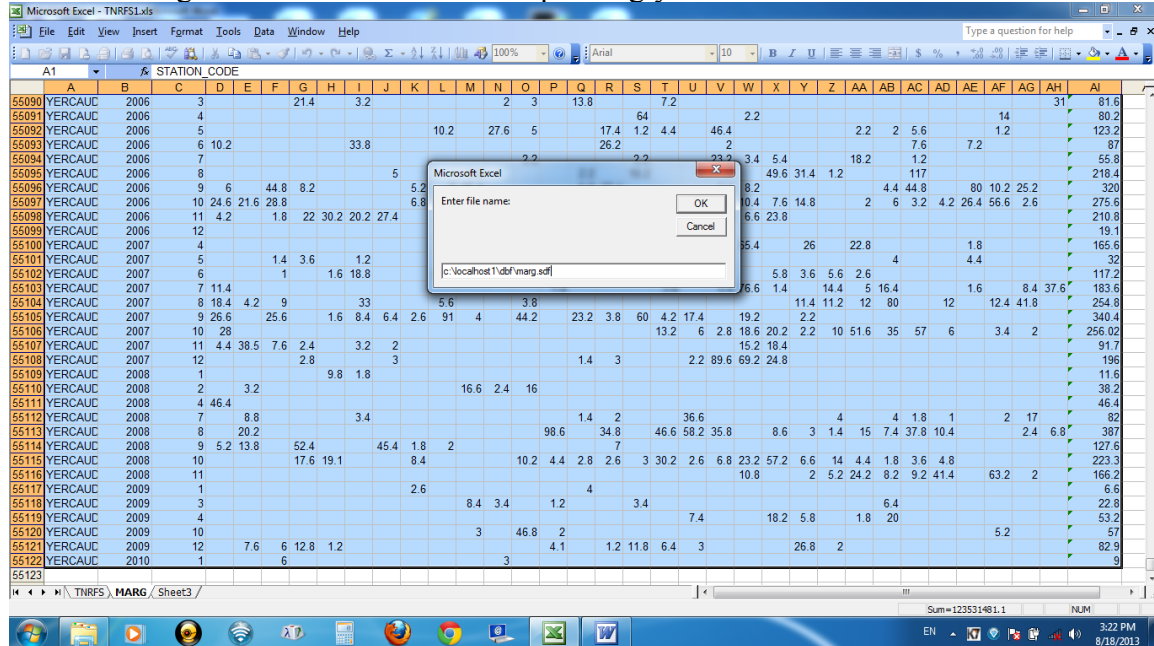
You can convert Excel Table to SDF format as Shown below with Macro Export in the TNRFs1.XLS file. In the Excel file Select A1 to K649 as below and then Run Macro Export from Tools menu. Input box with Enter File name as shown below will be prompted. You can type “c:\localhost1\dbf\tnrfs.sdf” and then click OK. Now the Excel worksheet is converted into “tnrfs.sdf” file with selected first row as Field names and remaining rows as field values.



Step 14:

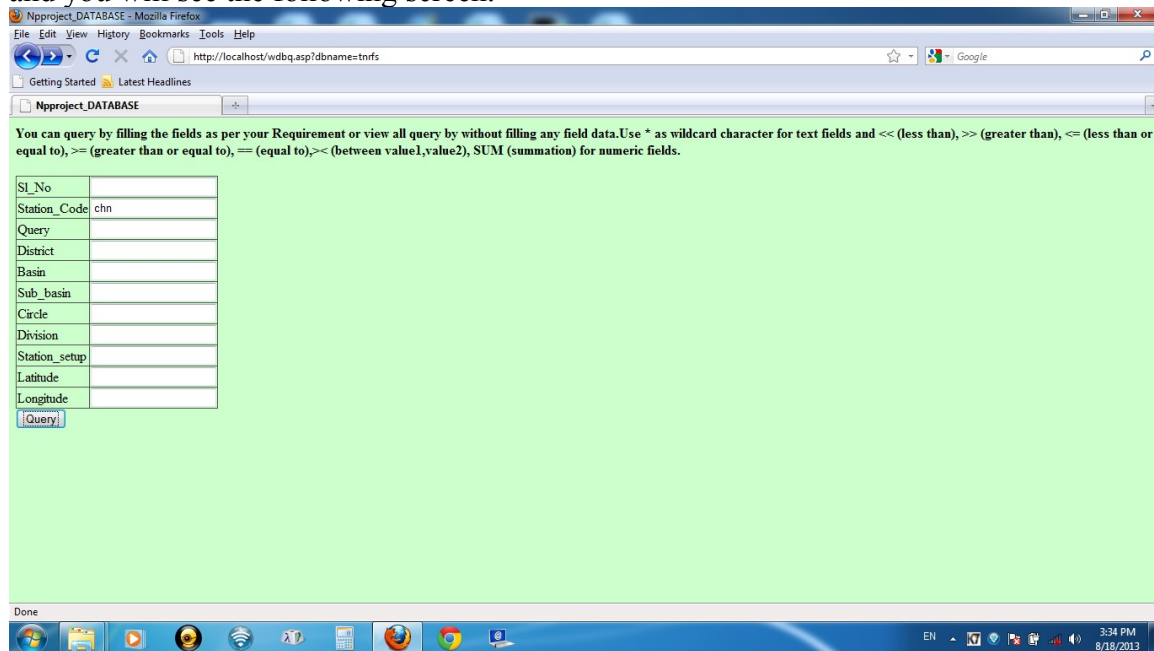
Similarly you can convert the MARG Worksheet by selecting A1 to AI55122 into SDF format by running export macro and giving file name as “c:\localhost1\dbf\marg.sdf” as

given below. This will create “marg.sdf” file in “dbf” folder with first row as Field names and remaining rows as field values correspondingly.



Step 15:

Now you can query the tnrf.sdf table using <http://localhost/wdbq.asp?dbname=tnrfs> and you will see the following screen.



In the above form type ‘chn’ in the text box before Station_Code as shown above and then click Query button. You will see the following screen showing the values from “tnrfs.sdf” table matching the criteria of Station_Code starting with “chn”.

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http://localhost/wdb6.asp?dbname=tnrf&l1=82=chn&l3=84=85=86=87=88=89=810=811=812=&submit1=Query

Getting Started Latest Headlines

Npproject_DATABASE

Sl_No	Station_Code	Query	Adddata	District	Basin	Sub_basin	Circle	Division	Station_setup	Latitude	Longitude
4	CHN_EGMORE	Click to Query	Click to Adddata	Chennai	Chennai		Chennai	Chennai_GWD	SRG	13.0783333333333	80.2586111111111
5	CHN_MENBAKM	Click to Query	Click to Adddata	Kancheepuram	Chennai		Chennai	Chennai_GWD	SRG	12.9902777777778	80.1813916666667
6	CHN_MYLAPORE	Click to Query	Click to Adddata	Chennai	Chennai		Chennai	Chennai_GWD	ARG	13.0413916666667	80.279255555556
7	CHN_NUNGBMKM	Click to Query	Click to Adddata	Chennai	Chennai		Chennai	Chennai_GWD	SRG	13.0683333333333	80.246388888889
8	CHN_TARAMANI	Click to Query	Click to Adddata	Chennai	Chennai		Chennai	Chennai_GWD	ARG	12.9859833333333	80.245

5 Matching Records found.

Done

From the above table by clicking on the Click to Query you will see the following screen.

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http://localhost/wdbq.asp?dbname=marg&l1=CHN_EGMORE

Getting Started Latest Headlines

Npproject_DATABASE

You can query by filling the fields as per your Requirement or view all query by without filling any field data. Use * as wildcard character for text fields and << (less than), >> (greater than), <= (less than or equal to), >= (greater than or equal to), == (equal to), >< (between value1,value2), SUM (summation) for numeric fields.

STATION_CODE	CHN_EGMORE
YEAR	
MONTH	
1	
2	
3	
4	
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7	
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17	

Done

By clicking Query button at the bottom without filling other fields you will see the following screen with Matching records of CHN_EGMORE.

Npproject_DATABASE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost/wdb6.asp?dbname=marg&l=CHN_EGMORE

Getting Started Latest Headlines

Npproject_DATABASE

STATION_CODE	YEAR	MONTH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	M_Total
CHN_EGMORE	2000	4		12																													12	
CHN_EGMORE	2000	5			1						1							6			2												10	
CHN_EGMORE	2000	6													11	8.6				4.5		2.5	70							2.8		99.4		
CHN_EGMORE	2000	7				10.5	19	7		1				3					1.2		0.7					6.2				21.5		70.1		
CHN_EGMORE	2000	8							5	8.4		4			12	1		3	8	3	7	1.4	7.3					2	2	2	1	67.1		
CHN_EGMORE	2000	9					18					16						9.5		1							12	15	8		5.4	84.9		
CHN_EGMORE	2000	10		4			7	42		72	3											5										133		
CHN_EGMORE	2000	11				18								21.5	5.5	4	2.8	2			44									33	30.5	168.8		
CHN_EGMORE	2000	12				4	20	2																						20	2.5	48.5		
CHN_EGMORE	2001	4										2	21	21	23	11			2													80		
CHN_EGMORE	2001	5																				7.5	8.5									16		
CHN_EGMORE	2001	6					10	4														17										31		
CHN_EGMORE	2001	7												12	19	7	46										39			120		243		
CHN_EGMORE	2001	8										2			6													24	19			51		
CHN_EGMORE	2001	9					6					4	52							40								10.5	5	2	10	129.5		
CHN_EGMORE	2001	10				36			15	144		10			3	3	26	90							3	36	21	3	13			403		
CHN_EGMORE	2001	11				36	10		17	17	30	24	65	85	8			38		3.5		22	15	12						4.5		387		
CHN_EGMORE	2001	12				5.5	9												38	5		68	36	53	18	7	16					255.5		
CHN_EGMORE	2002	1							3.5		25	8.5										2										39		
CHN_EGMORE	2002	2				4																										4		
CHN_EGMORE	2002	5																5.2												7		12.2		
CHN_EGMORE	2002	6				20																4	2						7.5		33.5			
CHN_EGMORE	2002	7												15	7				5.5							23				3		61.5		
CHN_EGMORE	2002	8																	13.4	2.5									16	3		74.9		

Done

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http://localhost/wdb6.asp?dbname=marg&l=CHN_EGMORE

Getting Started Latest Headlines

Npproject_DATABASE

CHN_EGMORE	2009	6																			15											15	
CHN_EGMORE	2009	7					9														3							6	10	2	6	36	
CHN_EGMORE	2009	8		1																							10		9			5	61
CHN_EGMORE	2009	10																											16	18	44	4	82
CHN_EGMORE	2009	11					56	4	190	22	120	187	37	7	22																		755
CHN_EGMORE	2009	12					33	26	2																								320
CHN_EGMORE	2010	1																															10
CHN_EGMORE	2010	5					17																										233
CHN_EGMORE	2010	6																															141
CHN_EGMORE	2010	7																															141
CHN_EGMORE	2010	8																															141
CHN_EGMORE	2010	9																															141
CHN_EGMORE	2010	11																															141
CHN_EGMORE	2010	12																															141
CHN_EGMORE	2011	1																															141
CHN_EGMORE	2011	2																															141
CHN_EGMORE	2011	4																															141
CHN_EGMORE	2011	5																															141
CHN_EGMORE	2011	6																															141
CHN_EGMORE	2011	7																															141
CHN_EGMORE	2011	8																															141
CHN_EGMORE	2011	9																															141
CHN_EGMORE	2011	10																															141
CHN_EGMORE	2011	12																															141

100 Matching Records found.

Done

If you fill up the Field name Year as “2005” and Field name M_Total as “sum” as given below, you will see the following screens.

Npproject_DATABASE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost/wdbq.asp?dbname=marg&l=CHN_EGMORE

Getting Started Latest Headlines

Npproject_DATABASE x Npproject_DATABASE x Npproject_DATABASE x

You can query by filling the fields as per your Requirement or view all query by without filling any field data. Use * as wildcard character for text fields and << (less than), >> (greater than), <= (less than or equal to), >= (greater than or equal to), == (equal to), >< (between value1,value2), SUM (summation) for numeric fields.

STATION_CODE	CHN_EGMORE
YEAR	2005
MONTH	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
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17	

Done

Npproject_DATABASE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost/wdbq.asp?dbname=marg&l=CHN_EGMORE

Getting Started Latest Headlines

Npproject_DATABASE x Npproject_DATABASE x Npproject_DATABASE x

12	
13	
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18	
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21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
M_Total	sum

Query

Done

Npproject_DATABASE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost/wdb6.asp?dbname=marg&l=CHN_EGMORE&2=2005&3=84=85=86=87=88=89=810=811=812=813=814=815=816=817=818=8 

Getting Started Latest Headlines

Npproject_DATABASE Npproject_DATABASE Npproject_DATABASE

STATION_CODE	YEAR	MONTH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	M_Total	
CHN_EGMORE	2005	4							29	96	2																							127	
CHN_EGMORE	2005	5		54																														54	
CHN_EGMORE	2005	6									6.5													13	7									26.5	
CHN_EGMORE	2005	7			7			2		4													20	66			95				8			202	
CHN_EGMORE	2005	8		3													54	10	7														5	79	
CHN_EGMORE	2005	9		6					6	9	4	25	16														8	4.3						78.3	
CHN_EGMORE	2005	10		6									42	10	104	154	36					3	30	80	3		26	51	134	28	226	5	90	1028	
CHN_EGMORE	2005	11		10			27	70	101	218	20	17	7														48	62	56	30	33	80	7		786
CHN_EGMORE	2005	12		3	365	22	3						10	10	11							52	75	17									568		
																																		2948.8	

9 Matching Records found.



This is how any Excel sheet can be easily exported as SDF format and used as Web database. You can add data also by clicking on the link Click to add data.

You can transfer those files into website with necessary correction by replacing "localhost" with website name (www.example.com). The same database is used in the website <http://www.nirt.in>

The same localhost1.rar unzipped file is uploaded in <http://www.nirt.in/sampledb>

This is just a simple idea of simple web database.